

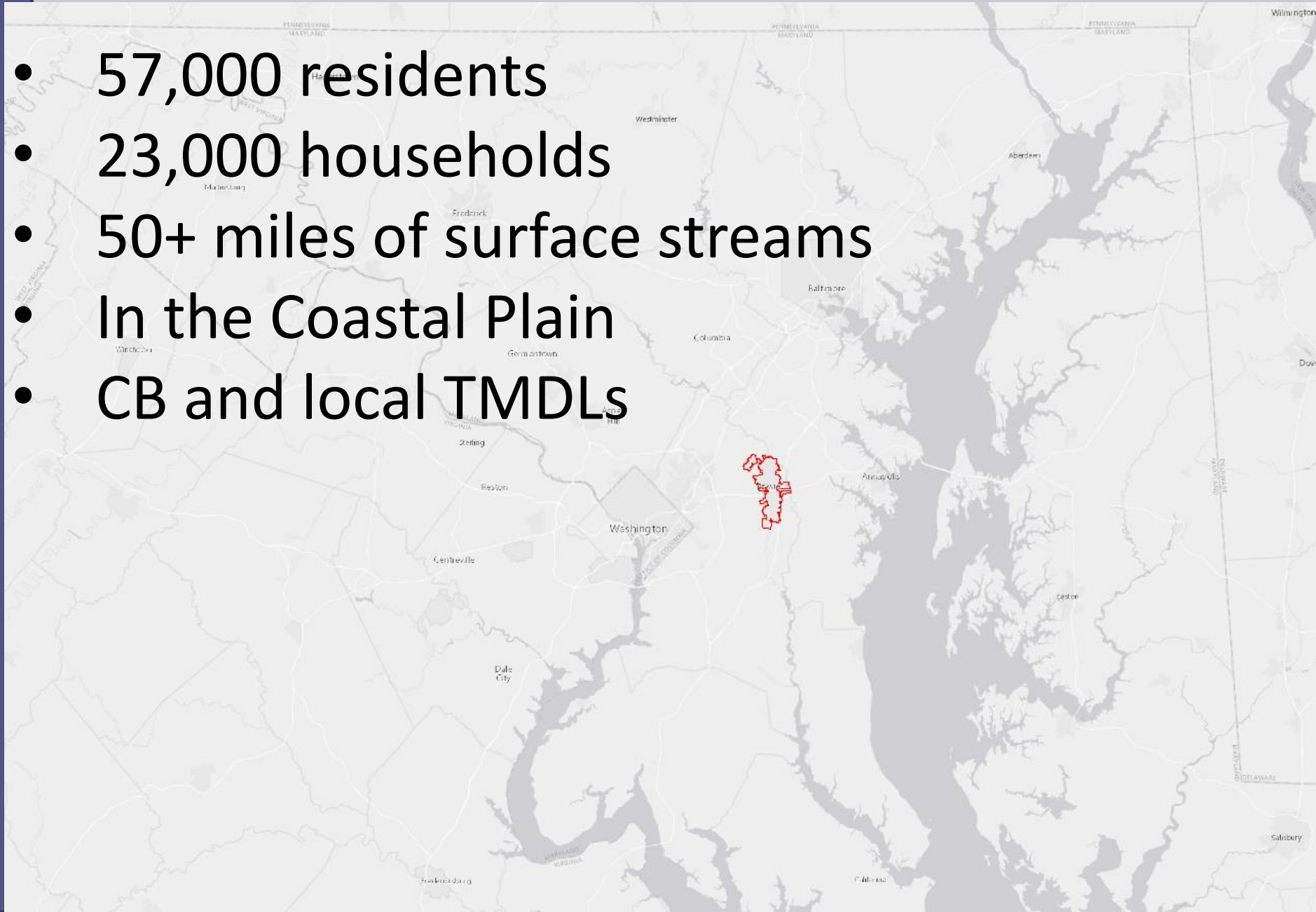
IDDE Mapping (on a budget)

Tiffany Wright
Watershed Manager



About Bowie

- 57,000 residents
- 23,000 households
- 50+ miles of surface streams
- In the Coastal Plain
- CB and local TMDLs



Paper vs in house GIS vs Enterprise

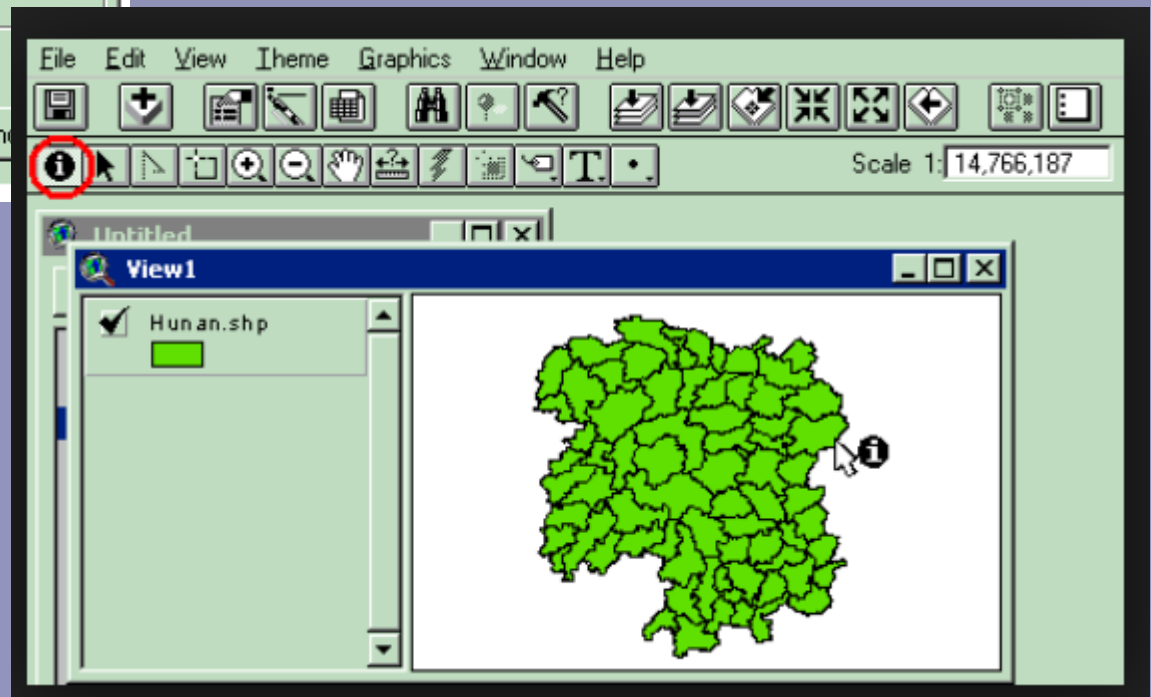
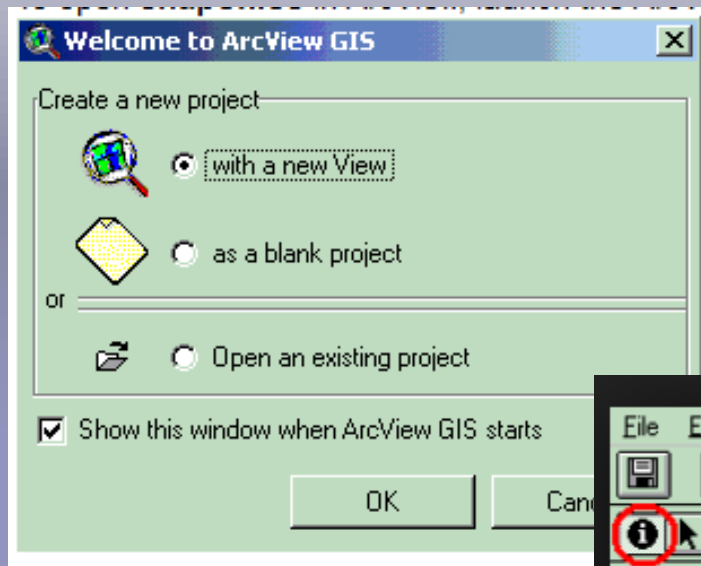
- No requirement for GIS
(maybe with new permit?)
- In-office server/data management
- Consultant or enterprise software system



ESRI ArcGIS

- Doesn't necessarily require dedicated GIS staff person
- Find data free/cheap – many online sources
- Handheld field collection devices available with stock software

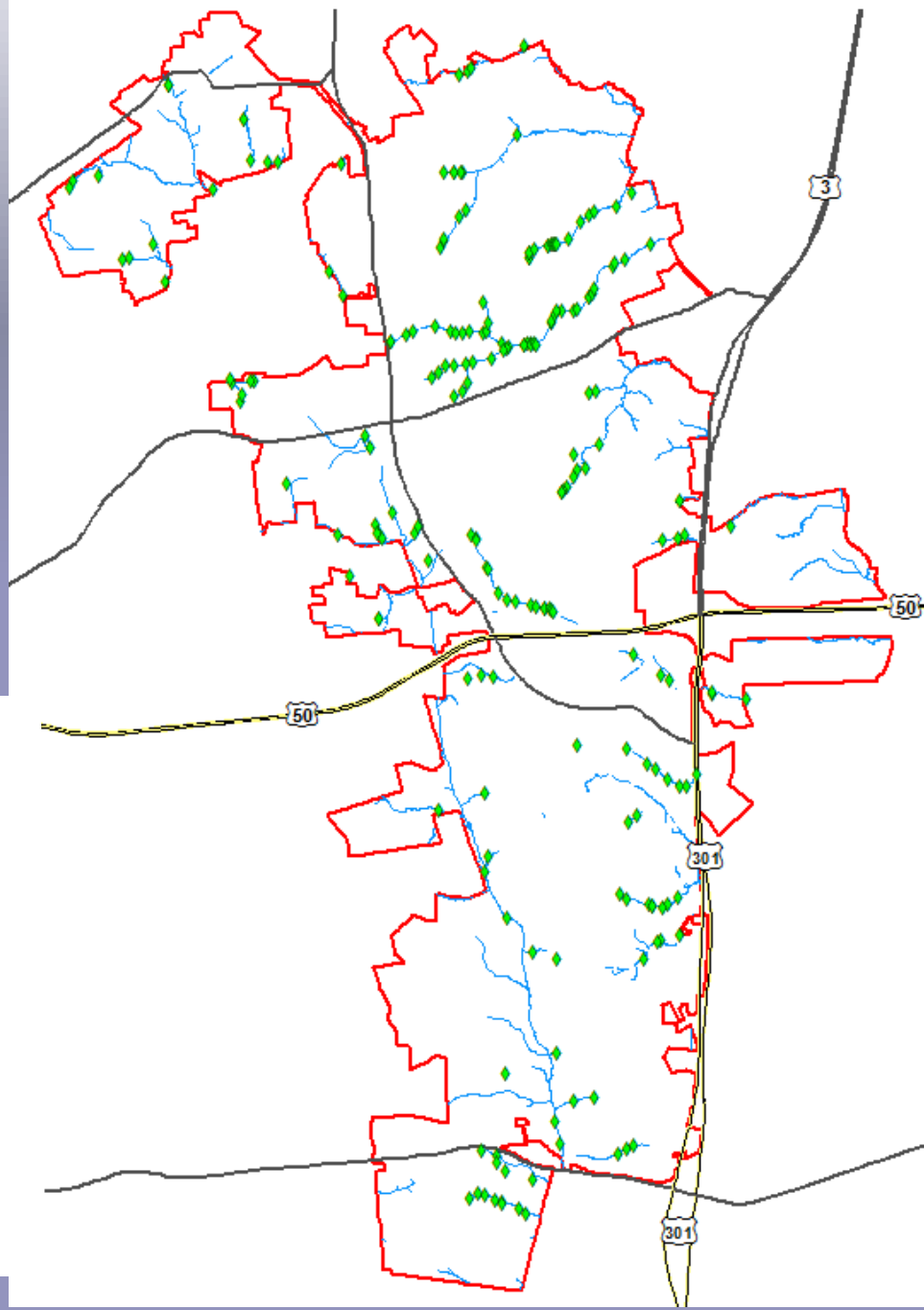
Learning on the Job



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http://www.fas.harvard.edu/~chgis/data/chgis/downloads/v4/howto/how_to_arcview.html

Bowie's Outfalls As Identified by DNR (WRAS) - 2003

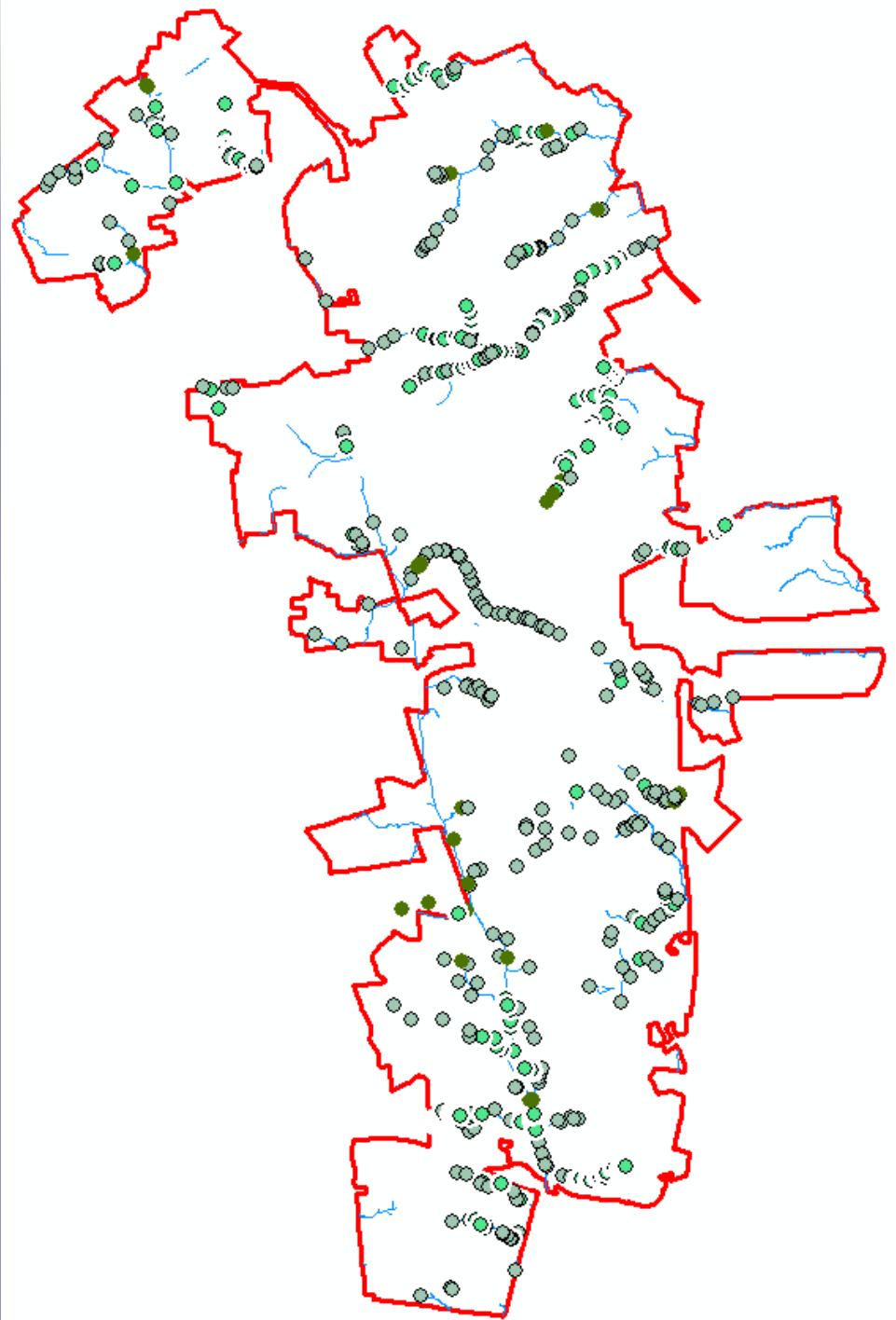


Outfall Size (in.)	Qty
4	2
6	5
8	5
12	43
18	1
24	36
30	73
36	28
48	10
60	2
72	1

The problem....



New Map of Bowie's Outfalls



The problem....

- Field surveys conducted by paid interns (varying knowledge/ backgrounds)
- Heavy staff QA/QC needed despite training



The Bottom Line

- Each path will have its ups and downs
- Less control over consultants but less staff time needed
- Enterprise systems can talk among departments quite easily but are \$\$\$\$
- More control using staff = better data?
- QA/QC is the key regardless of the path!

THANKS FOR LISTENING!



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